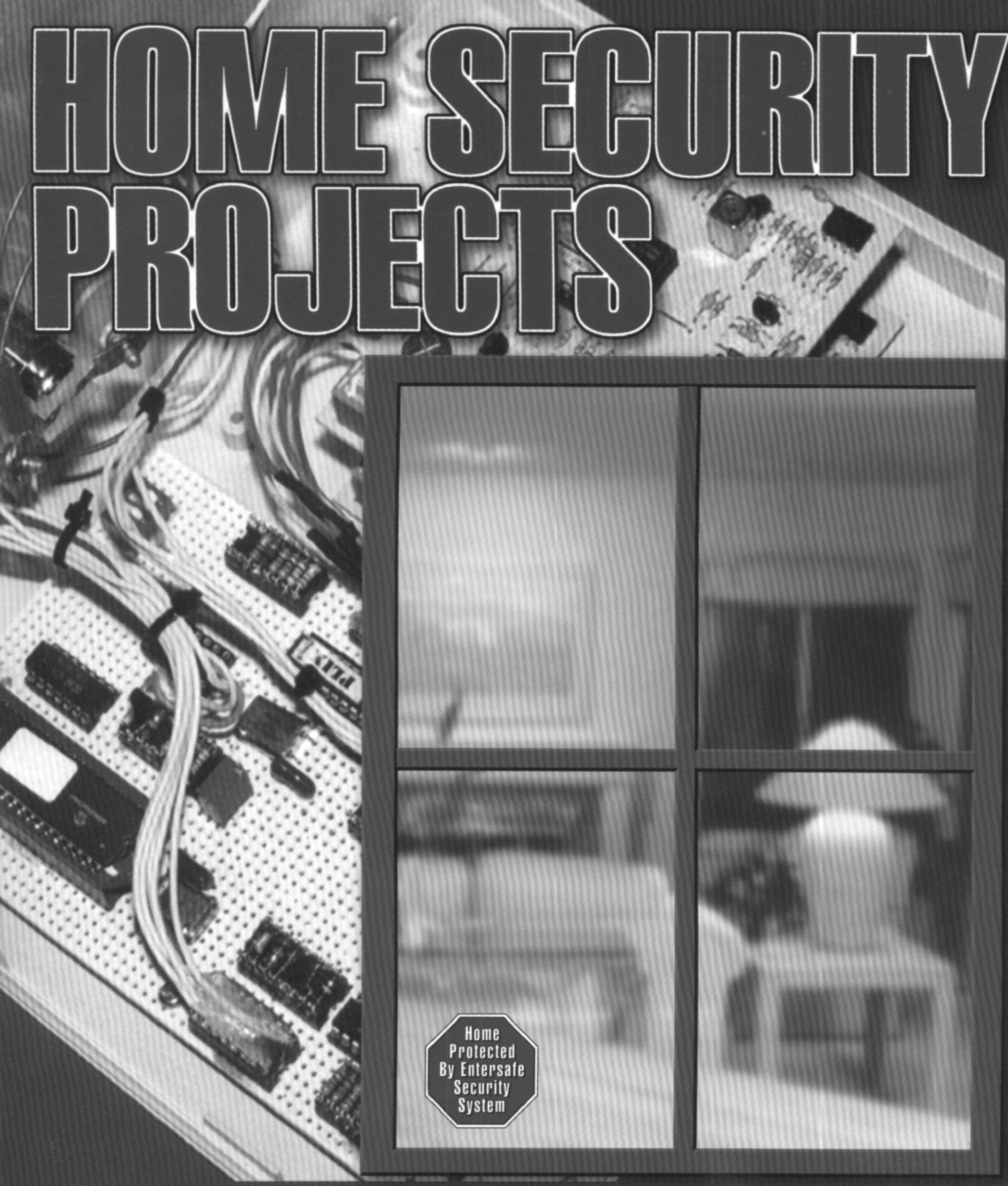
HOME SECURITY PROJECTS



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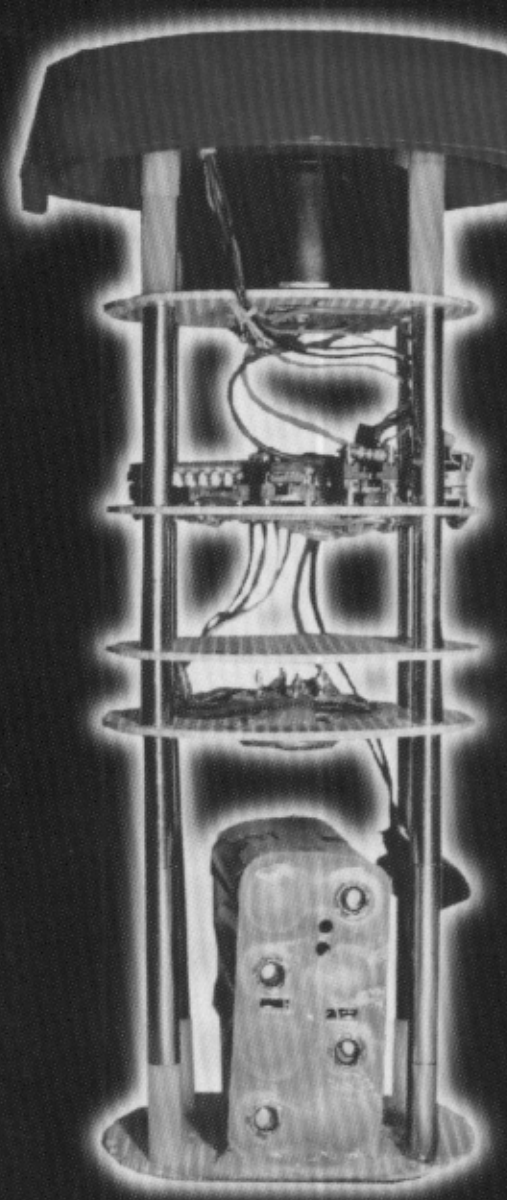
Home Security Projects

Save money and protect your home and belongings by building the useful projects in this book! Home Security Projects presents the reader with home security, safety and nuisance elimination ideas that can easily be built in the reader's own home for less than it would cost to buy these items ready-made. Readers will be able to construct devices that will allow them to protect family members and electrical appliances from mishaps and accidents in the home, and protect their homes and belongings from theft and vandalism. Home Security Projects shows the reader how to construct the following:

- **Portable CO detector**
- **Trailer hitch alignment device (EZ align)**
- **Pool alarm**
- **Dog bark inhibitor**
- **Entersafe — an early warning alarm system**



These projects are relatively easy to make, and the intent of Home Security Projects is to provide enough information to enable the builder to customize or further develop the project. The commented source code is included with the projects so that the reader can easily achieve these goals. Two of the projects use printed circuit boards; the rest use alternative methods such as wire wrapping and point-to-point wiring, using buss wire and Teflon sleeving.

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Preface

This book provides the electronic hobbyist with useful projects about home security, safety and nuisance elimination.

The projects in this book have all been tested but could be considered to be in the prototype stage of development, which really means that these projects can and should be improved upon. This book's goal is to make each project easy to understand and easy to build. Additionally, I have included the commented source code with the projects so that the reader can easily customize the project. These are located at the end of the chapters and in the Appendix. I am including my e-mail address so that any software/hardware updates are easy to obtain. My address is Robert Gaffigan 75122.2120@compu.com.

The projects in this book started from a desire to see ideas put into practice. Here's the method I used to implement an idea. After the idea was conceived, I did a patent search at the Patent Depository Library. The purpose behind the search was twofold: first, to see if anyone had done it before; and second, to use the patent as a learning tool. Patent searches are best done by the inventor since they know their idea better than anyone else.

The projects in this book are relatively easy to make and the intent of this book is to provide enough information to customize the project or to further develop the project. Two of the projects use printed circuit boards.

The rest of the projects use alternative methods to a printed circuit board. There are several reasons for not using a printed circuit board. For a one-of-a-kind circuit, a printed circuit board over the long run does not save any time. Additionally, the printed circuit board does not lend itself to changes. Also, use of a printed circuit board requires using chemicals for developing and etching. Disposal of these chemicals can become environmentally problematic.

Alternative methods of wiring are wire wrapping and point-to-point wiring, using buss wire and Teflon sleeving.